

**SUN DRY 44 - DISINFECTANT DETERGENT****GENERAL DESCRIPTION:**

SUN DRY 44 is a one step disinfectant - cleaner - virucide - fungicide - odor counteractant in a safe, handy water soluble packet. Effective in the presence of organic soil (5% blood serum). Deodorizes and cleans as it disinfects. Meets all requirements for hospital use. Ideal for nursing homes, hospitals and other institutions. SUN DRY 44 exhibits effective virucidal activity against HIV-1 (associated with AIDS) when used as directed on environmental hard surfaces.

**PROPERTIES:**

Form:	Powder
Color:	Green
Odor:	Fresh Citrus Scent
Package:	1/2 ounce water soluble packet
EPA Number:	1839-93-5891
1/2 oz. per gallon yields 456 ppm active quaternary ammonium chloride	

**USE DIRECTIONS:**

Dissolve one packet per gallon of water. Stir gently for a uniform solution. Apply solution with mop, cloth, sponge or mechanical sprayer and wet all surfaces thoroughly. Allow to air dry. See label for complete directions for disinfection. See the label for special instructions for cleaning and decontamination against HIV-1, for objects or surfaces soiled with blood or body fluids.

**CAUTION:**

May cause eye or skin irritation. Avoid contact with eyes. May be harmful if swallowed. For contact with skin or eyes, flush thoroughly with plenty of water - at least 15 minutes for eyes. For eyes, get prompt medical attention. Do Not Ingest. Consult the Material Safety Data Sheet for additional precautions.

**KEEP OUT OF REACH OF CHILDREN**

**PACKAGING:**

☛ Canisters of 90 Water Soluble Packets

**SUN DRY 44 - Continued, Page 2**

**SUN DRY 44** is a phosphate-free concentrated formulation designed to provide effective cleaning, deodorizing, and disinfection specifically for hospitals, nursing homes, and other institutions where housekeeping is of prime importance in controlling the hazard of cross-contamination. **SUN DRY 44** meets all requirements for hospital use.

**SUN DRY 44** when diluted as directed, is formulated to disinfect inanimate, hard surfaces such as walls, floors, sink tops, tables, chairs, and bed frames. For larger areas such as operating rooms, patient care facilities, and restrooms, this product is designed to provide both general cleaning and disinfection.

**EFFICACY TESTS HAVE DEMONSTRATED THAT SUN DRY 44 IS AN EFFECTIVE BACTERICIDE AND FUNGICIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM.)**

**BACTERICIDAL ACTIVITY** - At the stated Disinfection dilution rate, **SUN DRY 44** exhibits effective disinfectant activity against the following organisms:

Pseudomonas aeruginosa PRD-10	Escherichia coli
Klebsiella pneumoniae	Salmonella schottmuelleri
Salmonella choleraesuis	Brevibacterium ammoniagenes
Streptococcus faecalis	Shigella dysenteriae
Staphylococcus aureus	Enterobacter aerogenes

**FUNGICIDAL ACTIVITY** - At the stated Disinfection dilution rate, **SUN DRY 44** exhibits effective disinfectant activity against the following organisms:

Trichophyton mentagrophytes.

**VIRUCIDAL ACTIVITY** - At the stated Disinfection dilution rate, **SUN DRY 44** exhibits effective disinfectant activity against the following organisms:

HIV-1	Influenza A2
Parainfluenza Type 1 (Sendai)	Canine Distemper
Feline Pneumonitis	Vaccinia Virus
Herpes Simplex Type 1	

**SUN DRY 44 - Continued, Page 3****DIRECTIONS FOR USE:**

**DISINFECTION** - To disinfect inanimate, hard surfaces, add one packet of **SUN DRY 44** (1/2 ounce per gallon of warm water, 1 ounce per 2 gallons, or 1 1/2 ounces per 3 gallons). Stir gently to form a uniform solution. Apply solution with a mop, cloth, sponge, or hand pump sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes and then let air dry. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each step.

**MILDEWSTAT** - To control mold and mildew on pre-cleaned, hard, non-porous surfaces add 1 packet of **SUN DRY 44** at the stated dilution rate for Disinfection. Apply solution with a cloth, mop, or sponge making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears. At the Disinfection dilution rate **SUN DRY 44** is also fungicidal against the pathogenic fungi, Trichophyton mentagrophytes.

**VIRUCIDAL ACTIVITY - SUN DRY 44**, when used on environmental, inanimate, hard surfaces at the Disinfection dilution rate exhibits effective virucidal activity against HIV-1, Influenza A2, Parainfluenza Type 1 (Sendai), Canine Distemper, Feline Pneumonitis, Vaccinia Virus, Herpes Simplex Type 1.

**KILLS HIV-1 ON PRE-CLEANED ENVIRONMENTAL SURFACES / OBJECTS PREVIOUSLY SOILED WITH BLOOD / BODY FLUIDS** in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling inanimate surfaces/objects with blood or body fluids, and in which the surface likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS).

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OF SURFACES / OBJECTS SOILED WITH BLOOD / BODY FLUIDS.**

**PERSONAL PROTECTION:** When handling items soiled with blood or body fluids use disposable latex gloves, masks, or eye coverings.

**CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of **SUN DRY 44**.

**CONTACT TIME:** Allow surface to remain wet for 10 minutes.

**DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

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6845-031-060

N/A = NOT APPLICABLE  
NA = NOT AVAILABLE

MATERIAL SAFETY DATA SHEET  
PRODUCT NAME: SUN DRY 44

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PRODUCT NAME: SUN DRY 44

PREPARED BY: K. Woods

DATE: August 31, 1995

CHEMICAL FAMILY: Disinfectant/Cleaner Mixture in Water Soluble Packets

FORMULA: Proprietary

HAZARDOUS INGREDIENTS (CAS #):

%

EXPOSURE LIMITS, ppm:

ACGIH TLV

OSHA-PEL

n-alkyl dimethyl benzyl ammonium chloride  
(68391-01-5)

Less than 10%

N/A

N/A

n-alkyl dimethyl ethyl benzyl ammonium  
chloride (68956-76-6)

Less than 10%

N/A

N/A

CARCINOGENIC INGREDIENTS: Contains no known or suspected carcinogens.

SARA TITLE III, SECTION 313 REPORTABLE INGREDIENTS: None

PHYSICAL PROPERTIES:

Boiling Point: About 200°F

Solubility in Water: Appreciable

Specific Gravity - Liquid (H<sub>2</sub>O = 1): N/A

Odor and Appearance: Green powder; perfumed odor in water soluble packets

% Volatiles: NA

% Volatile Organic Content (VOC): 0

Vapor Pressure: N/A

Vapor Density (Air = 1): N/A

FIRE AND EXPLOSION DATA:

Flash Point: None

Extinguishing Media: Water, CO<sub>2</sub>, foam, dry chemical

Special Firefighting Procedures: None

Flammability Limits: N/A

Unusual Hazards: None

HEALTH EFFECTS:

Effects of overexposure: May cause temporary eye or skin irritation or burns if not rinsed or flushed. Ingestion may cause nausea or diarrhea. Ingestion may also cause irritation or burns to mouth, throat, and esophagus. Inhalation of dust may cause irritation to respiratory tract.

Chronic effects of overexposure: None known or expected.

Medical conditions that may be aggravated by exposure: None known or expected.

Primary routes of entry: Ingestion, skin contact, inhalation of dust.

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact: Flush thoroughly with plenty of water for at least 15 minutes. If irritation persists, see a physician.

Skin Contact: Flush thoroughly from skin with water. If irritation persists, see a physician.

Ingestion: Drink plenty of water and call a physician immediately. DO NOT INDUCE VOMITING UNLESS INSTRUCTED BY A PHYSICIAN.

Inhalation of dust: Move to fresh air if dust causes discomfort. If discomfort persists, see a physician.

REACTIVITY DATA:

Stability: Stable

Incompatibility: Anionic detergents with deactive disinfectants

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None

SPILL OR LEAKAGE PROCEDURES:

Steps to be taken if material is released or spilled: Sweep up and place in closed container. Do not mix with unspilled material.

Waste disposal method: According to local, state, or federal ordinances.

SPECIAL PROTECTION INFORMATION:

Ventilation: No special ventilation required.

Respiration Protection: None required under normal use.

Eye Protection: Safety goggles recommended when handling loose powder. Not required for product in packet

Protective Gloves: Impervious gloves recommended when handling the loose powder. Not required for product in packet

Other Protective Equipment: None required.

SPECIAL PRECAUTIONS:

Precautions to be taken in handling and storage: Store in closed container in a dry place. Wash thoroughly after handling.

KEEP OUT OF REACH OF CHILDREN.

Other precautions: None

HAZARD RATING:

Health:

1

0 = Minimal

3 = Serious

Fire:

0

1 = Slight

4 = Severe

Reactivity:

0

2 = Moderate

Specific Hazard: None

STATE PROCUREMENT  
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